

CATHAYMAG – MAGNETIC OXIDES

Technical Data

HIGH-QUALITY IRON OXIDES

DESIGNED FOR TONERS/MAGNETIC INKS/TRANSFER RIBBONS

POWDER PROPERTIES							
	VSM, Hc (Oe)	Sigma _R (^{emu} /g)	Sigma _M (^{emu} /g)	SSA (^{m²} /g)	OA (^{ml} /100g)	TD (^g /ml)	pH
Magnetic Toner							
CathayMag BA33	90	9.5	87	4.5	20	1.10	6.5
Acicular Browns							
CathayMag 2218	340	31.0	76	26.5	52	0.88	4.2
CathayMag 2228	320	30.1	74	25.0	47	0.85	4.2
Acicular Blacks							
CathayMag MO-4238	350	31	85	18	48	0.95	5.3
CathayMag MO-4232	310	32	87	11.5	47	0.85	5.1
CathayMag MO-4431	300	31	85	9.0	33	0.90	5.5
Non-Acicular Blacks							
CathayMag 1103	100	9.5	87	5.0	22	1.10	7.0

CATHAY INDUSTRIES



Cathay Industries							
PRODUCT	Application/Market						
CathayMag BA33	Magnetic Toner						
CathayMag MO1103	Mono/Dual Component Magnetic Toner						
CathayMag MO2218							
CathayMag MO2228	acicular brown gamma FeO, developed from "Two Cubed Eight", ,Audio/Toners/Magnetic Ink/Transfer Ribbon, lepidocrocite technology						
CathayMag MO4232	MICR, acicular, high quality toner/magnetic ink/transfer ribbons						
CathayMag MO4238	MICR, acicular, high quality toner/magnetic ink/transfer ribbons, higher gloss than MO4232						
CathayMag MO4431	hydrophobic, acicular, organophilic, unwettable for Magnetic Lithographic Offset Inks						
PRODUCT	Color	Hc, Coercivity	Sigma M (Specific Magnetization)	Sigma R (Remanent Magnetization)	Avg Particle Size	Specific Surface Area	Oil Absorption
		<i>Oe, VSM</i>	<i>emu/g</i>	<i>emu/g</i>	<i>µm</i>	<i>m²/g</i>	<i>ml/100g</i>
CathayMag BA33	black	90	87	9.50	0.22	4.50	20
CathayMag MO1103	black/blue	100	87	9.50	0.22	5.00	22
CathayMag MO2218	brown	340	76	31.00	n/d	26.50	52
CathayMag MO2228	brown	320	74	30.10	n/d	25.00	47
CathayMag MO4232	black	310	87	32.00	n/d	11.50	47
CathayMag MO4238	black	350	85	31.00	n/d	18.00	48
CathayMag MO4431	black	300	85	31.00	n/d	9.00	33
PRODUCT	Tapped Density	pH	Water Soluble Salts	FeO	Moisture	Avg. Length	Length/Width Ratio
	<i>g/ml</i>		<i>wt. %</i>	<i>wt. %</i>	<i>wt. %</i>	<i>µm</i>	<i>n/a</i>
CathayMag BA33	1.10	6.50	n/d	24	0.20	n/d	n/d
CathayMag MO1103	1.10	7.00	n/d	24	0.20	n/d	n/d
CathayMag MO2218	0.88	4.20	0.20	0.1	0.30	0.40	6:1
CathayMag MO2228	0.85	4.20	0.20	0.1	0.30	0.40	6:1
CathayMag MO4232	0.85	5.10	0.20	28	0.10	0.45	5:1
CathayMag MO4238	0.95	5.30	0.20	28	0.10	0.40	6:1
CathayMag MO4431	0.90	5.50	n/d	25	0.10	0.45	5:1

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